


Working Group Updates - Inflows/Modeling



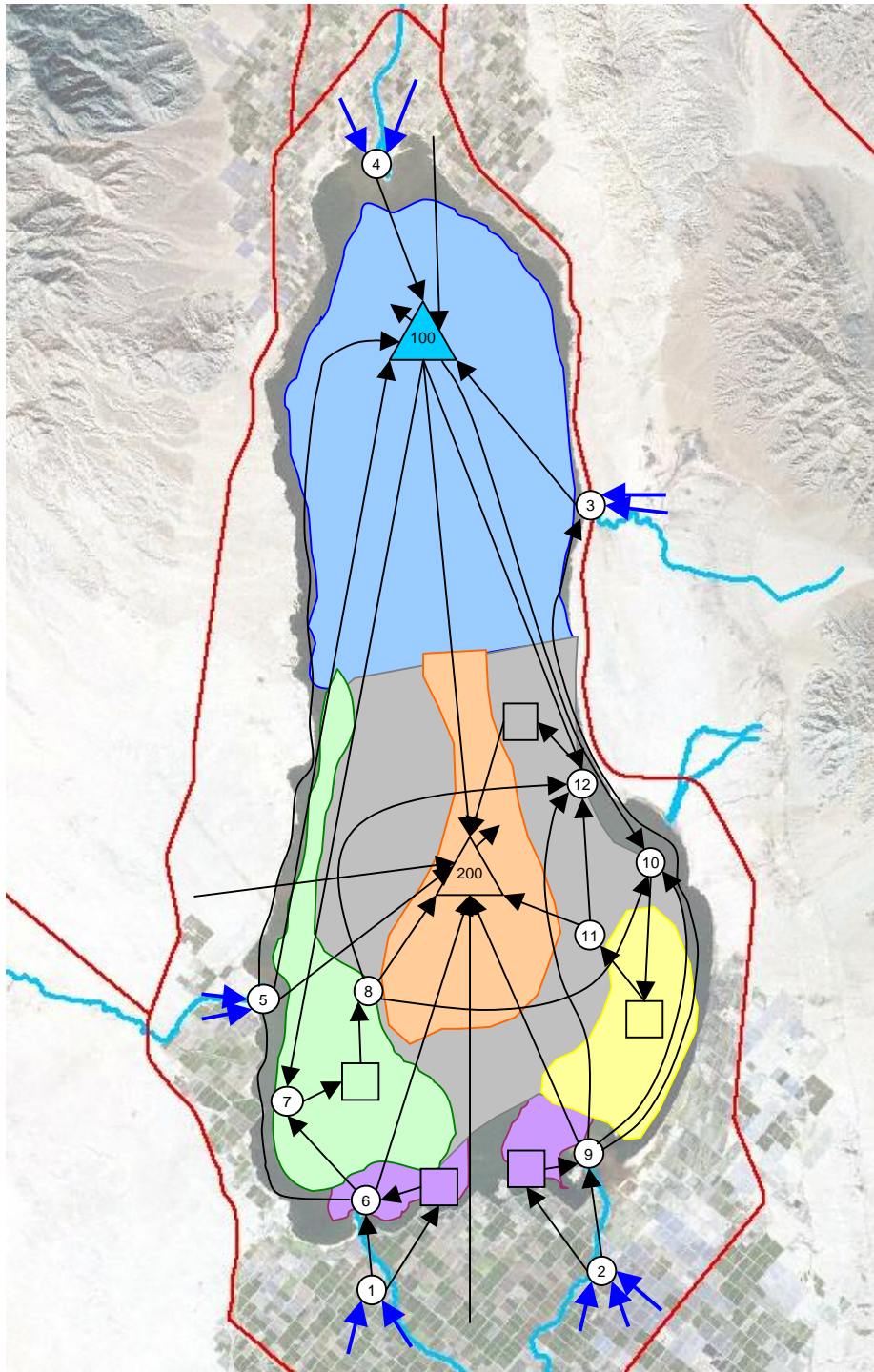
**Advisory Committee
September 20, 2005
Holtville, CA**

Update on Inflows/Modeling Working Group

- ◆ **Hydrologic modeling-focused meeting on
September 16, 2005**
- ◆ **Topics addressed:**
 - **Hydrologic modeling objectives**
 - **Generalized CALSIM software overview**
 - **Salton Sea model enhancements and
formulation**
 - **Model demonstration and usage**

Hydrologic Modeling Objectives

- ◆ **Provide tool for hydrologic and salinity analysis of Salton Sea alternatives to measure performance towards goals and trade-offs**
- ◆ **Provide information to assist in alternative configurations and designs**
- ◆ **Evaluate Salton Sea impacts due to hydrologic uncertainty**
- ◆ **Publicly-available, documented analysis tool**
- ◆ **Facilitate consistency of data**
- ◆ **Serve as an analysis tool beyond the ERP**
- ◆ **Part of a suite of models**



SALSA Model Network

- ◆ Application of CALSIM to the Salton Sea
- ◆ Generalizes components into network
- ◆ Accounts for full water and salt balances
- ◆ Computes consumptive demands for habitat and air quality mitigation areas
- ◆ Simulates Sea elevation and salinity under varying configurations and inflows
- ◆ *Monthly* simulation for 75 years
- ◆ Targets specified for simultaneous solution of Sea elevation and Sea, habitat, or air quality mitigation area salinity
- ◆ Elevation and salinity “sideboards” can be specified

Inflows/Modeling Working Group

Next Steps

- ◆ **Next meeting on October 28, 2005**
- ◆ **Draft hydrology report to be circulated for comment**
- ◆ **Review and discuss model refinements**
- ◆ **Review revised monthly hydrologic patterns**
- ◆ **Discuss model application to major configurations**